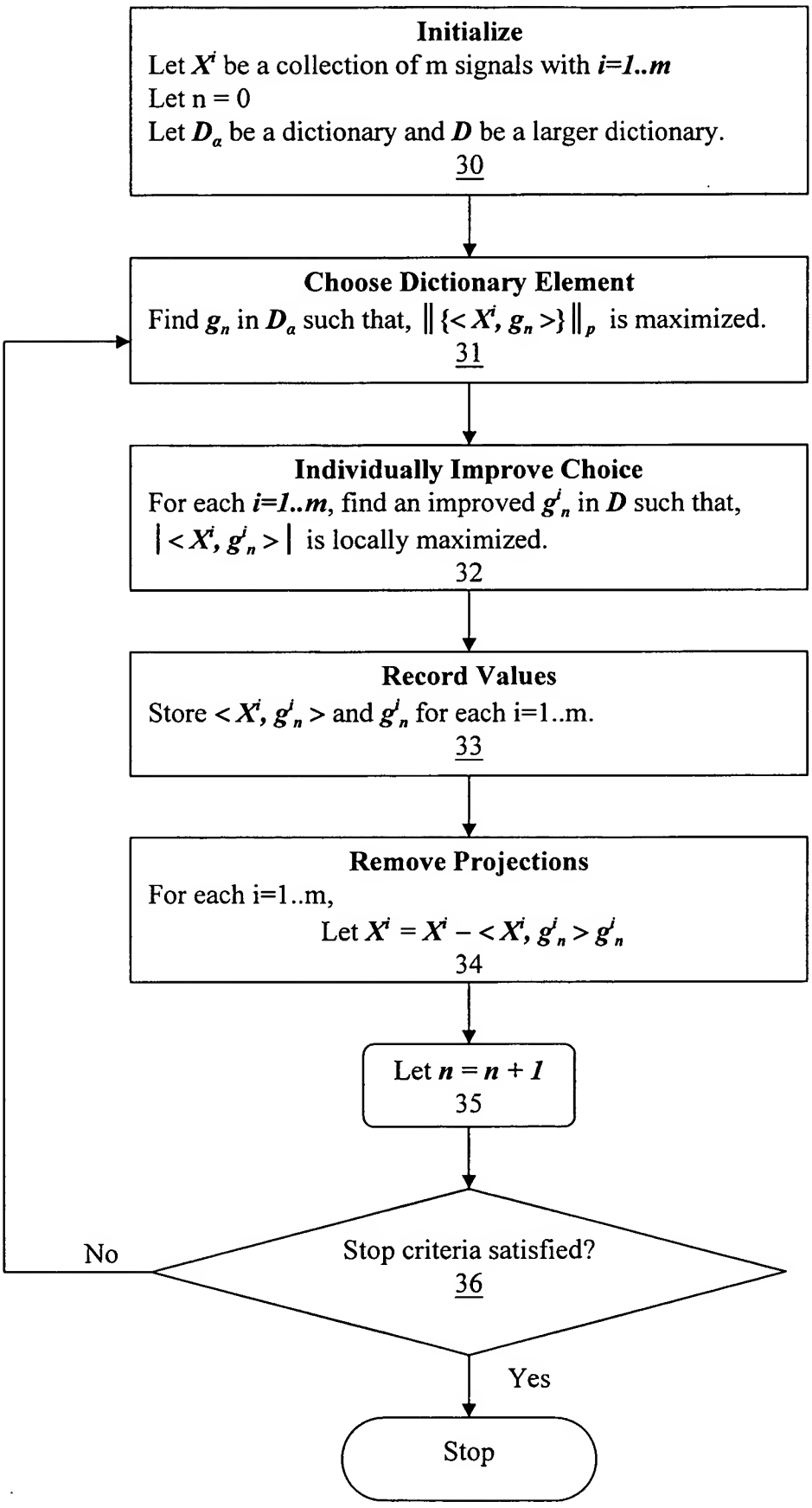
Initialize
Let X^i be a collection of m signals with $i=1..m$
Let n = 0
Let D_a be a dictionary and D be a larger dictionary.
30
Choose Dictionary Element
Find g_n in D_a such that, $\|\{<X^i, g_n>\}\|_p$ is maximized.
31
Individually Improve Choice
For each $i=1..m$, find an improved g^i_n in D such that,
$|<X^i, g^i_n>|$ is locally maximized.
32
Record Values
Store $<X^i, g^i_n>$ and g^i_n for each i=1..m.
33
Remove Projections
For each i=1..m,
Let $X^i = X^i - <X^i, g^i_n> g^i_n$
34
Let $n = n + 1$
35
Stop criteria satisfied?
36
No
Yes
Stop

FIG. 3